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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	<b>Application Number</b>	09/935,083	
	<b>Filing Date</b>	August 21, 2001	
	<b>First Named Inventor</b>	Crawford, James A.	
	<b>Group Art Unit</b>	2661	
	<b>Examiner Name</b>	TBD	
<b>Total Number of Pages in This Submission</b>		<b>Attorney Docket Number</b>	70647

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form (in duplicate) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Form PTO 1449 2. Four (4) References 3. Return Receipt Postcard
<b>Remarks</b>		

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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

<b>Individual name</b>	Scott J. Menghini, Reg. No. 2,880
<b>Signature</b>	
<b>Date</b>	April 30, 2002

**CERTIFICATE OF MAILING**

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<b>Typed or printed name</b>	Scott J. Menghini		
<b>Signature</b>		<b>Date</b>	April 30, 2002

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Docket No. 70647

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

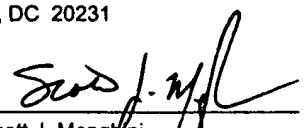
Applicant(s): Crawford  
Application No.: 09/935,083  
Filed: August 21, 2001  
Title: **OFDM PILOT TONE TRACKING TO REDUCE  
PERFORMANCE LOSS DUE TO FREQUENCY  
PULLING AND PUSHING**  
Group Art Unit: 2661  
Examiner: TBD

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Scott J. Menghini  
Registration No. 42,880  
Attorney for Applicant(s)

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, DC 20231

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**MAY 15 2002**

Dear Sir:

**Technology Center 2600**

This Information Disclosure Statement is submitted:

- ☒ Under 37 CFR §1.97(b) (within three months of the filing date of a national application or date of entry of an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last).
- ☐ Under 37 CFR §1.97(c) together with either:
- ☐ a statement under 37 CFR §1.97(e), or
  - ☐ a fee under 37 CFR §1.17(p)  
(after the 37 CFR §1.97(b) time period, but before the mailing date of a final Action, a Notice of Allowance, or an action that otherwise closes prosecution).
- ☐ Under 37 CFR §1.97(d) together with:
- ☐ a statement under 37 CFR §1.97(e), and
  - ☐ a fee under 37 CFR §1.17(p)  
(after the 37 CFR §1.97(c) time period, but on or before payment of the issue fee).

In accordance with the duty of disclosure imposed by 37 CFR § 1.56 to inform the Patent Office of all patents, publications, applications and other information known by Applicants or Applicants' representative that may be material to the examination of

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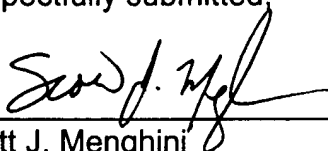
Application No. 09/935,083

Page 2

the subject application, Applicants' representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 CFR §§ 1.97-1.98 and includes Form PTO-1449 with Four (4) references listed as items AA-AD.

It is requested that the information provided herein be made of record in this application.

Respectfully submitted,



Dated: April 30, 2002

\_\_\_\_\_  
Scott J. Menghini  
Attorney for Applicant(s)  
Reg. No. 42,880  
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Form PTO-1449 (Modified)  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>	Application No.	09/935,083
	Filing Date	August 21, 2001
	First Named Inventor	Crawford
	Group Art Unit	2661
	Examiner Name	TBD
Sheet 1 of 1	Attorney Docket No.	70647

U.S. PATENT DOCUMENTS									
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	U.S. PATENT DOCUMENT		NAME OF INVENTOR OR APPLICANT	DATE OF ISSUANCE OR PUBLICATIO N (MM-DD- YYYY)	CLASS	SUB CLASS	FILING DATE (if appropriate)
			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					

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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	AA		ACTIS, ROBERT and McMORRAN, ROY A.; <i>Millimeter Load Pull Measurements</i> ; Applied Microwave; November/December 1989; pp. 91-102
	AB		CRAWFORD, JAMES A.; <i>Frequency Synthesizer Design Handbook</i> ; 1994; pp. 109-114; Artech House; Boston, London
	AC		EGAN, Ph.D., WILLIAM F.; <i>Frequency Synthesis by Phase Lock</i> ; 1981; p. 33; John Wiley & Sons, A Wiley-Interscience Publication; New York, Chichester, Brisbane, Toronto
	AD		GOLAY, MARCEL J.E.; <i>Normalized Equations of the Regenerative Oscillator -- Noise, Phase-Locking, and Pulling</i> ; Proceedings of the IEEE; 1964; pp. 1311-1330; IEEE

Examiner Signature		Date Considered	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.			